Lab Report Form

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Course: Advanced Chemistry

Title of Lab Experiment: The Effect of a Solvent on the Color of a Substance
Purpose: To see that the solvent actually has an effect when it comes to the color of a solution
Materials:

- Cobalt Chloride
- Chemical Scoop
- Test Tube
- Cap for Test Tube
- Q-Tip
- Safety Goggles
- White Paper
- Hair Dryer

Procedure:

1. Fill the test tube halfway with water
2. Add three measures of cobalt chloride to the test tube
3. Cap the test tube and shake to dissolve the cobalt chloride
4. Remove the cap from the test tube and dip the Q-tip into the solution
5. Use the Q-tip with cobalt chloride to "paint" a design on the paper
6. After you have created your design, use the hair dryer to dry your design and observe what happens
7. After that let the paper sit out and observe what happens

Data:

Color of Cobalt Chloride solution before heat:	Red

Results:

Color of Cobalt Chloride solution after heat:	Blue
Color of Cobalt Chloride solution after sitting out:	Red

Conclusions:
When heat interacts with a chemical it is possible that it will change the color of the chemical.
References:
Advanced Chemistry in Creation 2nd Edition